

## PATENT ABSTRACTS OF JAPAN

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## (54) DISK DEVICE AND DISK MAGAZINE

## (57)Abstract:

PROBLEM TO BE SOLVED: To miniaturize a disk device and to make the reliability of the device higher by dividing a magazine while moving trays of stages upper than a tray in which a selected disk is mounted with a driving set and setting and reproducing a disk reproducing part while transferring the part between divided magazines.

SOLUTION: After the locked state of a magazine housing is released, when a magazing shifting motor is started, a magazine shifting plate 240 is slidingly moved backward. Here, a holder guide pin 211 on the right side of a magazine holder 210 is energized upward with the inclined cam 242 formed on the plate 240 and the magazine holder 210 is raised to the maximum position of the full opening of the magazine. However the upper surface part of the magazine clamped with an upper side clamping pawl 210b is lifted together with three sheets of trays at the upper side of the holder 210, since the lower surface of the magazine is clamped with a lower side clamping pawl 2a, the magazine housing is divided in the inside of a chassis unit 1. Then, since a disk reproducing is performed between magazines divided into upward and downward parts, the reducing of the space of the horizontal direction is made possible.

